

**WE CLAIM:**

*Sub A1* 1. A data controller that generates TEs for a data transfer.

*Sub B2* 2. A data controller that minimizes interrupts by processing sequential commands.

*Sub A2* 3. A data controller that creates and executes threads of sequential commands while  
5 minimizing interrupts associated to the commands.

4. A data controller that creates threads of sequential commands and that generates  
interrupts at the beginning and end of the commands.

*add A3*  
*add E1*

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